

PEYSIKHIS, B.I., Inzh.

Construction, technology of the manufacture, and testing
of the regenerator of the gas turbine drive of the tlower
of the GTK-9-5750 gas turbine system. Energomashinstroenie
11 no.10:26-27 G '65. (MIRA 12:11)

PEYSIKHIS, B I

PHASE I BOOK EXPLOITATION

584

Leningradskiy metallicheskiy zavod, Leningrad

Paroturbostroyeniye i gazoturbostroyeniye (Steam and Gas Turbine Construction)
Moscow, Mashgiz, 1957. 351 p. (Series: Its Trudy, vyp. 5) 3,500 copies
printed.

Additional Sponsoring Agency: RSFSR. Leningradskiy ekonomicheskii rayon. Sovet
narodnogo khozyaystva. Upravleniye tyazhelogo mashinostroyeniya.

Editorial Board: Grinberg, M. I., Doctor of Technical Sciences, Professor (deceased);
Stepanov, I. M., Engineer, and Kolotilov, A. I., Engineer; Ed. of Publishing
House: Leykina, T. I.; Tech. Ed.: Pol'skaya, R. G.; Chief Ed. (Mashgiz,
Leningrad Branch): Bol'shakov, S. A., Engineer.

PURPOSE: This collection of articles is intended for engineers and technical
personnel employed at turbine building plants and scientific research
institutes, and also for students of technical institutes.

COVERAGE: This book contains articles dealing with the problems of design and
operation of gas and steam turbine installations, and high-pressure
feed pumps. For abstract of each article see Table of Contents.

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1/3

Steam and Gas Turbine (Cont.)

584

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CONTENTS:

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Design and Operation of Steam Turbine Installations

Grinberg, M. I., Doctor of Technical Sciences, Professor. Progress in Turbine Building at the Leningrad Metalworking Plant

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In this article the author discusses the past and present accomplishments, and outlines plans for future developments in the field of steam and gas turbine building at the Leningrad Metalworking Plant.

Butyrin, A. S., Engineer. Standardization of the General Arrangement of Steam Turbine Installations

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In this article the author gives an account of experience with general arrangement of steam turbine installations gained at the Leningrad Metalworking Plant. He discusses the procedure for preparing detailed drawings and presents diagrams of standard arrangements of steam turbine installations.

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2/3

Steam and Gas Turbine (Cont.)

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Nikolayev, G. V., Engineer. Condensers for LMZ Turbines

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The author presents details of design and construction of various types of condensers developed at the Leningrad Metalworking Plant.

Peysikhis, B. I., Engineer. Special Valves and Equipment for Steam Turbine Installation.

48

The author presents a detailed description of safety valves and special regulating devices used in high-pressure steam turbine installations. The article contains numerous diagrams and specifications of various types of valves.

Shapiro, Yu. B., Engineer. Selection of Thermal Scheme for Steam Turbine Installations

68

This article deals with the basic problems involved in the developing of new regenerative vapor-cycles. The author presents a basic method for selecting feed-water preheating temperatures, and the optimum distribution of steam extraction points in a regenerative vapor-cycle. There are 7 references, of which 6 are Soviet, and 1 English.

Card ~~3/21~~

3/3

8(6), 14(6)

Translation from: Referativnyi zhurnal. Elektrotekhnika, 1957, No. 4, pp. 3-4, USSR.

AUTHOR: Peysikhis, B. I.

TITLE: Special Accessories of Steam-Turbine Plants

PERIODICAL: Tr. Leningr. metallich. z-da, 1957, Nr 5, pp 48-51

ABSTRACT: Manufactured by LMZ, special accessories for steam-turbine plants can be subdivided into protective and regulating. The former comprise: nonreturn and safety valves on steam-extraction pipes and protective devices on high-pressure heaters. The latter comprise: automatic condensate drains installed on the outflow lines of regenerative heaters and other heat exchangers. Technical data on type KOS nonreturn valves is presented. All valves are equipped with a position indicator, and valves intended for controlling steam extractions are equipped with a disk-position indicator. Fully-automatic valves with servomotors controlled by a special lever-type valve are used on 8-13-atm process-steam extractions and also for 18- and 34-atm extractions.

Card 1/1

Special Arrangements of Steam-Turbine Plants

Not less than two safety valves are provided for each boiler, one for the full steam discharge of the turbine. High-pressure boilers are equipped with an automatic protective device that protects the boiler from water penetration in case the heater becomes flooded with water. This device is a combination of water tightness in the piping system. The protective device consists of three valves: direct, bypass, and nonreturn; a gauge to indicate the valve associated with the heater condensate drain is also required. The condensate drains manufactured by the plant have the same construction as the direct. Depending on working conditions, by the size of their orifice and

Carl 1/2

PHYSIKHIS, B.I., inzh.

~~Special~~ fittings of steam-turbine units. [Trudy] IMZ no.5:48-67
'57. (MIRA 11:6)

(Steam turbines)

LIBERMAN, L.Ya., kand.tekhn.nauk; PEYSIKHIS, M.I., inzh.; KANAYEV, A.A.,
kand.tekhn.nauk, red.; POL'SKAYA, R.G., tekhn.red.

[Handbook on properties of steel used in boiler and turbine
construction] Spravochnik po svoistvam stalei, primeniamykh
v kotloturbostroenii. Moskva, Gos. nauchno-tekhn. izd-vo
mashinostroit. lit-ry, 1958. 408 p. (Leningrad. Tsentral'nyi
nauchno-issledovatel'skii kotloturbinnyi institut. [Trudy]
vol.32) (MIRA 12:2)

(Steel)

18(0)

PHASE I BOOK EXPLOITATION

SOV/1936

Liberman, L. Ya., Candidate of Technical Sciences, and M.I. Peysikhis, Engineer.

Spravochnik po svoystvam Stal-ey, primenyayemykh v Kotloturbostroyenii (Handbook on Properties of Steels Used in Boiler and Turbine Construction) 2d ed., enl. Moscow, Mashgiz, 1948. 408 p. (Series: Tsentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut. [Izdaniya] kn. 32) Errata slip inserted. 8,500 copies printed.

Sponsoring Agency: Tsentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut.

Ed.: A.A. Kanayev, Candidate of Technical Sciences; Tech. Ed.: P.G. Pol'skaya.

PURPOSE: This handbook is intended for designers, physical metallurgists, metallurgists, metallurgists of boiler and turbine plants, and also personnel of plant laboratories and scientific research institutes of other branches of machine building.

COVERAGE: This is the second edition of a handbook on boiler and turbine steels originally published in 1955. The present edition describes 90 types of steels,

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Handbook on Properties (Cont.)

SOV/1936

and is based exclusively on experimental material obtained during the past several years at various Soviet scientific research institutes and plant laboratories. Contributions from TsKII (Central Committee for Heavy Industry), TsNIIMASH (Central Scientific Research Institute of Heavy Machinery), TsNIIChM (Central Scientific Research Institute of Ferrous Metallurgy), and the laboratories of the Leningradskiy metallicheskiy zavod (Leningrad Metal Plant), Khar'kovskiy turbinnyy zavod (Khar'kov Turbine Plant), Nevskiy mashinostroitel'nyy zavod (Neva Machine-building Plant), and the Novo-Kramatorskiy metallurgicheskiy zavod (New Metallurgical Plant in Kramatorsk) are represented. The handbook covers systematically the whole range of materials from carbon steels to the most heat-resistant high-alloy and nonferrous metals used at present, or which may be used in the near future, in manufacturing boiler and steam- and gas-turbines. The authors say that all available information for each type of steel on mechanical properties, stability of properties at various temperatures, data on creep-resistant and creep-rupture properties, and design graphs for selecting design stresses and strains are presented. For those steel types which are intended for fastening parts of boiler and turbine units, stress-relaxation characteristics are also presented. The handbook includes existing GOST (All-Union State Standards) and Technical Specifications for materials used in boiler and turbine making. The thermal conductivity coefficients experimentally determined by Engineer R.Ye. Krzhizhamovskiy, TsKII, and not included in the first edition for many types of steel, are given. The authors thank chief specialist on metallurgy Ya.I. Kulandin of the Gosplan

Card 2/9

Handbook of Properties (Cont.)

SOV/1936

and Department Head Candidate of Technical Sciences A.V. Stanyukovich for their assistance. There are no references.

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AVAILABLE: Library of Congress

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GO/gmp
8-6-59

LIBERMAN, L.Ya.; kandidat tekhnicheskikh nauk.; PEYSIKHIS, M.I., inzhener;
KANAYEV, A.A., kandidat tekhnicheskikh nauk, redaktor; POL'SKAYA, R.G.,
tekhnicheskii redaktor

[Handbook on the properties of steels used in marine boiler and
turbine building] Spravochnik po svoistva stalei, promeniemykh v
kotloturbostroenii. Moskva, Gos.nauchno-tekhn.izd-vo mashinostrel.
lit-ry, 1955. 195 p. (Leningrad. TSentral'nyi nauchno-issledovatel'
skii kotleturbinnyi institut. [Trudy], vol. 29.) (MLRA 9:10)
(Steel--Specifications) (Boilers, Marine) (Steam turbines)

PEYSIKHMAN, A.L.

Optimum pass band of a resonance system for pulses of random duty
ratio. Radiotekhnika 13 no.5:40-46 My '58. (MIRA 11:6)
(Pulse techniques (Electronics))

ACCESSION NR: AP4026138

S/0106/64/000/003/0005/0016

AUTHOR: Levitan, G. I.; Peysikhman, A. L.

TITLE: Signal-to-noise ratio monitor

SOURCE: Elektrosvyaz', no. 3, 1964, 5-16

TOPIC TAGS: signal, signal noise ratio, signal noise ratio monitor, frequency manipulated signal, noise isolation

ABSTRACT: Two systems of a signal-to-noise ratio monitor are considered (see Enclosure 1): (1) amplitude limiter plus frequency discriminator type and (2) AGC plus amplitude detector type. Both were developed in 1960-61 for frequency-keyed signal reception. Theoretical relations for the square spectral density of noise at the output of frequency and amplitude detectors are established. Higher components of keying frequency pass through the band filter along with the noise that produces information in the monitor; these components

Cord 1/3

ACCESSION NR: AP4026138

are called "residue." The effects of the residue and its contribution to the monitor error are discussed as is the connection between the inertia of the monitor and that of the information channel. Some hints for designing the ratio monitor are offered. Experimental verification of both systems of the monitor was made by connecting them to the 215-kc IF channel of a short-wave receiver. The latter's internal noise was regarded as a noise source. Tabulated data of the maximum signal-to-noise ratio permits a rough evaluation of the effects of the passband, frequency deviation, h-f filter cutoff frequency, and ondulation of the IF-amplifier band filter. Orig. art. has: 13 figures, 18 formulas, and 3 tables.

ASSOCIATION: Odesskiy institut svyazi (Odessa Institute of Communications)

SUBMITTED: 19Mar63

DATE ACQ: 17Apr64

ENCL: 01

SUB CODE: EC

NO REF SOV: 002

OTHER: 004

Card 2/3

LEVITAN, G.I.; PEYSIKHMAN, A.L.

Device for tracking the ratio of a signal and noise. Elektrosviaz'
18 no.3:5-16 Mr '64. (MIRA 17:4)

PEYSIKHMAN, A. L.

AUTHOR: Peysiknman, A. L. 108-13-6-5/11

TITLE: On the Optimum Transmission Band of a Resonance System for Pulses With Arbitrary Reciprocal of the Pulse Duty Factor (Ob optimal'noy polose propuskaniya rezonansnoy sistemy dlya impul'sov s proizvol'noy skvazhnost'yu)

PERIODICAL: Radiotekhnika, 1958, Vol. 13, Nr 5, pp. 40-46 (USSR)

ABSTRACT: Here the dependence of the optimum transmission band of a resonance system with respect to the reception threshold on the reciprocal of the pulse duty factor β is investigated. The problem is solved in general form and in application upon the pulses of a rectangular and a bell-shaped approximation. The here derived equation (1) represents the solution of the problem of the optimum band from the aspect of the maximum signal-to-noise ratio in general form. It is valid for pulses the phase frequency spectrum of which is linear and the amplitude spectrum functions of which can be integrated and differentiated to the second order

Card 1/3

On the Optimum Transmission Band of a Resonance System for Pulses With Arbitrary Reciprocal of the Pulse Duty Factor 108-13-6-5/11

inclusively. These limitations allow to solve this problem at least for the two basic pulse approximations - the rectangular and the bell-shaped one. Summarizingly it is stated: 1) The optimum transmission band of a pulse-receiver (from the aspect of the maximum signal-to-noise ratio) does not depend only on the pulse duration but also depends on the reciprocal of its pulse duty factor β . This dependence for pulses with a linear phase spectrum function is expressed by equation (1). This equation contains the integral and two derivatives of the amplitude spectrum function of a single pulse. 2) In the case of really applied pulses the mentioned optimum

transmission band is $\Delta f_{0.7 \text{ opt}} = \frac{1.2}{\tau} \lambda$, whereby $\lambda = 1$ at $\beta \gg 100$; at $\beta < 100$ $\lambda < 1$ and is taken from the enclosed diagram. For a signal with $\beta < 6$ a normalized optimum band does not exist. (τ - duration of the pulse). There are 6 figures and 6 references, all of which are Soviet.

Card 2/3

On the Optimum Transmission Band of a Resonance System for Pulses With Arbitrary Reciprocal of the Pulse Duty factor 108-13-6-5/11

SUBMITTED: April 6, 1956 (initially) and February 25, 1957 (after revision)

AVAILABLE: Library of Congress

1. Resonance--Systems 2. Transmission bands--Theory

Card 3/3

ACC NR: A7000 03

SOURCE CODE: UR/0106/66/000/012/0023/0030

AUTHOR: Peysikhman, A. L.

ORG: none

TITLE: Interference stability and relative effectiveness of multi-position frequency telegraphy in intermittent communications channels

SOURCE: Elektrosvyaz', no. 12, 1966, 23-30

TOPIC TAGS: telegraphy, multichannel communication

SUB CODE: 17

ABSTRACT: The relative effectiveness of multi-positional frequency telegraphy with a fluctuating signal is analyzed; the analysis indicates that an increase in transmission capacity over a binary system is possible in the intermittent operating mode. The relative effectiveness of the system with rayleigh fading and in a meteor scatter link are approximately identical. The mean probability of error in a multi-positional system with non-coherent reception and fluctuational noise is calculated. The gain in average transmission rate produced by the multi-channel variant of this system is calculated. In selecting a system, the frequency band occupied should also be considered, as well as the relative complication of the apparatus required. Where a large number of channels are to be used, the problem of complication of apparatus should be analyzed separately. Expressions are produced for the probability of error in an element, which can be used for analysis of the effectiveness of a single channel multi-positional system. An appendix is included which presents the development of an expression for maximum relative error. Orig. art. has: 4 figures and 14 formulas. [JPRS: 40,102]

Card 1/1

UDC: 621.394.542.1

09301124

PEYSIKOV, G.B., inzh.

Driving of grounding electrodes. Mont.i spets.rab.v stroi. 22
no.3:26-27 Mr '60. (MIRA 13:6)
(Electric currents--Grounding)

S/123/60/000/019/004/000

A005/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1960, No. 19, p. 104,
104356

AUTHORS: Peysikov, G. B., Rez-pov, V. D.

TITLE: A Machine for Cutting Austenite Steel Pipes

PERIODICAL: Novaya tekhn. montazhn. i spets. rabot. v str-ve, 1959, No. 11,
pp. 28-29

TEXT: A modernized portable machine of ЦНИИМАШ (TsNIIIMASH) is used for cutting pipes made of 18-8 steel, low-carbon steel, and non-ferrous metals. The machine operates on the principle of the pendulum saw with the grinding disk of the 3Б60Т2-ГБ-(EB60T2-GB-) type with 200-mm diameter and 1.5-mm thickness. The weight of the machine is 40 kg, the overall sizes are 580 x 330 x 380 mm. Pipes of 20 - 60 mm diameter are cut during 10 - 30 sec. The machine makes it possible to cut sheet steel, when it is mounted on wheels and is displaced on rails. There is 1 figure.

I. A. Ye

Translator's note: This is the full translation of the original Russian abstract.
Card 1/1

PEYSIKOV, G.B., inzh.; REZMOV, V.D., inzh.

Machine for cutting austenite steel pipes. Nov.tekh.mont.1
spets.rab.v stroi. 21 no.11:28-29 N '59.
(MIRA 13:2)

(Pipe cutting)

PEYSIKOV, L. S.

Kratkiy Voennoy Frazitsko-Russkiy Slovar' (Short Military Russian-Russian Dictionary)
Sostavili L. S. Pysikov, M. F. Savchenko, G. D. Svirnov. Pod red. M. F. Savchenko.
Moskva, Gos. izd-vo Inostrannykh i Natsional'nykh Slovarov, 1964.

384 p.

SO: 3/5
212.200
.F3

PEYSIKOV, L.S.

PEYSIKOV, L.S.; SAVCHENKO, N.P.; SMIRNOV, S.D.; GOLOVKINA, O.V.,
~~redaktor:~~

[Short Persian-Russian military dictionary with a supplementary military glossary in the Kabuli language] Kratki voennyi persidsko-russkii slovar' s prilozheniem voennogo slovaria kabuli. Sostavili L.S.Peysikov, N.P.Savchenko, S.D.Smirnov. Pod red. N.P.Savchenko. Okolo 10 000 slov i terminov. Moskva, Gos. izd-vo inostrannykh i natsional'nykh slovarei, 1954. 334 p. (MLRA 7:8)
(Persian language--Dictionaries--Russian) (Tajik language--Dictionaries--Russian) (Afghanistan--Tajik language)

KIPGANOVA, M.K., kand. tekhn. nauk; ERYUKOV, R.V., kand. tekhn. nauk;
PEYCHIKOV, V.A., inzh.

Mobile shield method for molding large panels. Stroitel. mash. 9 no.1:24-28 Ja '64. (MIRA 18:0)

GUSEYNOV, A.M.; ASADOV, I.G.; PEYSIKOV, Yu.V.; SHATSOV, A.N.; SUDZHADINOV, R.Ya.;
ALIYEV, M.B.

Experience in using the marine radiometric survey method in the
Azerbaijan S.S.R. Sov.geol. 6 no.3:124-133 Mr '63. (MIRA 16:3)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobyche
nefti.

(Azerbaijan—Radioactive prospecting)

S/169/62/000/009/062/120
D228/D307

AUTHORS: Peysikov, Yu. V. and Shatsov, A. N.

TITLE: Application of underwater sea bottom radiometric surveying

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 43, abstract 9A285 (Geol. nefti i gaza, no. 3, 1962, 50-53)

TEXT: The results of investigating the natural γ -activity of bottom sediment samples in separate parts of the Caspian Sea are stated. By means of a device, which is described, the sea bottom's γ -activity was measured in order to ascertain whether underwater radiometric surveying can be conducted for the purpose of seeking oil and gas deposits and mapping the sea floor geologically. A method is suggested for the execution of underwater radiometric surveying. The results of experimental work in a number of oil-bearing areas are described. [Abstracter's note: Complete translation.] ✓

Card 1/1

SHATSOV, A.N.; PEYSIKOV, Yu.V.; GUSEYNOV, A.M.

Some results of using a radiometric survey in azerbaijan. Azerc.
neft. khoz 40 no.11:7-11 N '61. (MIRA 15:1)
(Azerbaijan--Radioactive prospecting)

PEYSIKOV, Yu.V.; SHATSOV, A.N.

Submarine radiometric surveying of the sea floor. Geol.nefti i
gaza 6 no.3:50-53 Mr '62. (MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut yadernoy
geofiziki i geokhimii Ministerstva geologii i okhrany neдр SSSR.
(Caspian Sea--Radioactive prospecting)

BESPALOV, I.V., inzh.; VOLKOV, A.G., inzh.; PEYSIN, D.M., inzh.; PO-
RADNYA, A.I., doktor tekhn. nauk, prof., retsenzent; KHIMUNIN,
S.D., kand. tekhn. nauk, naychnyy red.; REYZ, M.B., red. izd-va;
PUL'KINA, Ye.A., tekhn. red.

[Quality control of building operations] Kontrol' kachestva
stroitel'nykh rabot. Leningrad, Gos. izd-vo lit-ry po stroit.,
arkhit. i stroit. materialam, 1961. 205 p. (MIRA 14:8)
(Construction industry—Quality control)

L 07431-67 EWP(k)/EWT(d)/EWT(m)/EWP(l)/EWP(v)/EWP(t)/ETI LJP(c) JD/HM

ACC NR: AP6030271

(N)

SOURCE CODE: UR/0125/66/000/008/0044/0047

46
44
B

AUTHOR: Gotal'skiy, Yu. N.; Tsykulyenko, A. K.; Peysin, M. I.

ORG: [Gotal'skiy, Tsykulyenko] Institute of Electric Welding im. Ye. O. Paton, AN UkrSSR
(Institut elektrosvariki AN UkrSSR); [Peysin] Kharkov Electrotechnical Plant
(Khar'kovskiy elektrotekhnicheskii zavod)

TITLE: Automatic welding of electric motor shafts from dissimilar steels

SOURCE: Avtomaticheskaya svarka, no. 8, 1966, 44-47

TOPIC TAGS: inert gas welding, low carbon steel, austenite steel, argon, carbon dioxide, AUTOMATIC WELDING, SHAFT

ABSTRACT: The authors discuss a process developed by the Institute of Electric Welding in cooperation with the Kharkov Electrotechnical Plant for manufacturing shafts in which low-carbon 5 steel (GOST 380-60) is welded to Kh18N9Ti austenite steel (GOST 5632-61). Circular components 36-60 mm in diameter are welded by this method. While components of this type are most easily joined by resistance welding, this method cannot be used at the Kharkov Electrotechnical Plant at the present time and therefore gas-arc welding is used. Tests show that the best joints are produced by using argon gas and Sv-04Kh19Ni1M3 electrode wire. The stability of the structure in the heat-affected zone of the weld was tested by holding a welded specimen at 200°C for 200

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UDC: 621.791.756:669.15-194:669.26:669.15-194

L 07431-67

ACC NR: AP6030271

2

hours. The results show no appreciable changes in the structure of the weld zone. The welding is done on a lathe which is slowed to 0.5-10 rpm by an additional speed reducer. A semiautomatic A-929 welding machine with a modified electric circuit is mounted on the lathe. The following conditions are recommended for welding in argon: welding current -- 200 a, arc voltage -- 24-26 v, electrode gap -- 15-20 mm and rate of gas flow -- 12-17 l/min. Carbon dioxide may be used at the same rate of flow if the arc voltage is reduced to 20-22 v and the electrode gap is narrowed to 10-15 mm. Orig. art. has: 5 figures, 1 table.

SUB CODE: 13/ SUBM DATE: 22Oct65/ ORIG REF: 005/ OTH REF: 002

Card 2/2

PEVSKHOV, I.M., KAYLOV, V.L.

Using the zinc method of gas purification of fruit trees
plants. Abon. nauch. trud. Gintseveim to 1970 1971-1972.

PEYTER, I.A.

Conditioned reflex extrasystole in man. Fiziol. zh. SSSR 39 no.3:286-292 May-June 1953. (CML 25:1)

1. Department of Physiology of the Military-Medical Academy imeni
S. M. Kirov, Leningrad.

PTASHOK, S.; ZATOKOVENKO, A.; PEYTERBARG, S.

In the Medical Council of Floreshty District. Zdravookhraneniye
6 no. 1:62-63 J-F'63. (MHA 16:8)

1. Glavnyy vrach Floreshtskogo rayona, Moldaviya (for Ptashok).
2. Zamestitel' glavnogo vracha po sanitarno-epidemiologicheskogo chasti Floreshtskogo rayona, Moldaviya (for Zatokovenko).
3. Predsedatel' Floreshtskogo rayonnogo komiteta Krasnogo kresta, Moldaviya (for Peyterbarg).

(FLORESHTY DISTRICT--PUBLIC HEALTH, RUSSAL)

PEYUCHOV, B. S.

3725. Peyuchov, B. S., and Kramoshchev, K. A., Examining heat transmission during the viscous flow process of a liquid in rectangular canals and in round pipes (in Russian), *Tr. Akad. Nauk SSSR Otd. tekhn. Nauk* no. 6, 205-231, June 1953.

Description of testing apparatus and of experiments on forced heat convection in two mineral oils of very widely different viscosity when moving through a rectangular canal (3.3 x 17 mm wide) with small Reynolds numbers (< 2000). The results of these experiments, as well as those of Holman [Die Wärme, no. 18, 1942], of Sherwood, Kiley, and Mangen [Indust. Engng. Chem., no. 3, 1937], and of Sieder and Tate [Ibid., no. 12, 1928] in round pipes, can be summarized in two formulas for the relative temperature difference of the liquid $\Theta = (t_1 - t_2)/(t_1 - t_0)$ (t_1 temperature of the entering fluid, t_2 mean temperature of the outgoing fluid, t_0 temperature of the inner wall of the pipe). The difference is a function of the geometrical form of the pipe section, of Péclet's number, of the ratio d/l (d equivalent diameter, l length of the tube), of Prandtl number, and of the ratio μ_1/μ_2 (μ_1 viscosity of the entering fluid, μ_2 mean viscosity of the fluid in the tube). The dependence upon these last two numbers is different when the direction of heat transfer is changed.

A. Kishel, Yuzhakov

62

①

PEYU TANEV, HANAROV, kand. sel'skokhoz. nauk (Bolgariya); SVESIMIKOV, B.Ye.
[translator]

Physiological changes in grape scion under the influence of root
stock. Agrobiologiya no.4:527-532 31-Aug '59.

(MIRA 1:11)

1. Nauchno-issledovatel'skiy institut vinogradarstva i vinodeliya,
g. Pleven.

(Viticulture) (Grafting)

PEYVE, Ya. [Peive, J.]; PAKALN, G. [Pakalns, G.]

Colorimetric determination of mobile magnesium in soils. Vestis
Latv ak no.3:59-66 :62.

1. Institut biologii AN Latviyskoy SSR.

PEYVE, Ya.V. [Peive, J.]

Improving the structure of crop acreage. Zemledelie 24
no.5:7-11 My '62. (MIRA 15:7)

1. Predsedatel' Soveta Ministrov Latviyskoy SSR; chlen-korrespondent
Akademii nauk SSSR.
(Latvia--Farm management)

USSR/Soil Science - Mineral Fertilizers.

J.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15327

Author : Ya.V. Peyve

Inst : -

Title : Soil and Agrochemical Research to Differentiate the
Application of Fertilizers.

Orig Pub : M-vo s. kh. SSSR, M., 1957, 15 str., ill.

Abstract : No abstract.

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PEYVE, Y. V. (Riga, Latvian SSR)

"Die Wirkung der Mikroelemente auf die Aktivität der Fermente
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Arch. Biochem. Biophys. 1978

paper presented at the 4th Intl. Congress of Biochemistry, Vienna, 1-6 Sep 78.

PEYVE, V. V.; POLIKARPOV, P. I.; BERG, A. Ya.; BLEKHMAN, A. A.; OBRENSKIY, V. Ye.;
VENETSIANOV, Ye. A.; MOVSESOV, N. S.; BELIBASH, B. A., and SHIDLOVSKIY, M. F.;

"The Case for Explosion-proof Electrical Equipment in the Oil and Gas Industries."

report presented at the All-Union Scientific and Technical Conference on the
Electrical Equipment in Buildings and Outside Installations Liable to Explosions, 14-19 April 1958, Staling.
(Energet. Byulleten', 1958, No. 7, pp. 32-33).

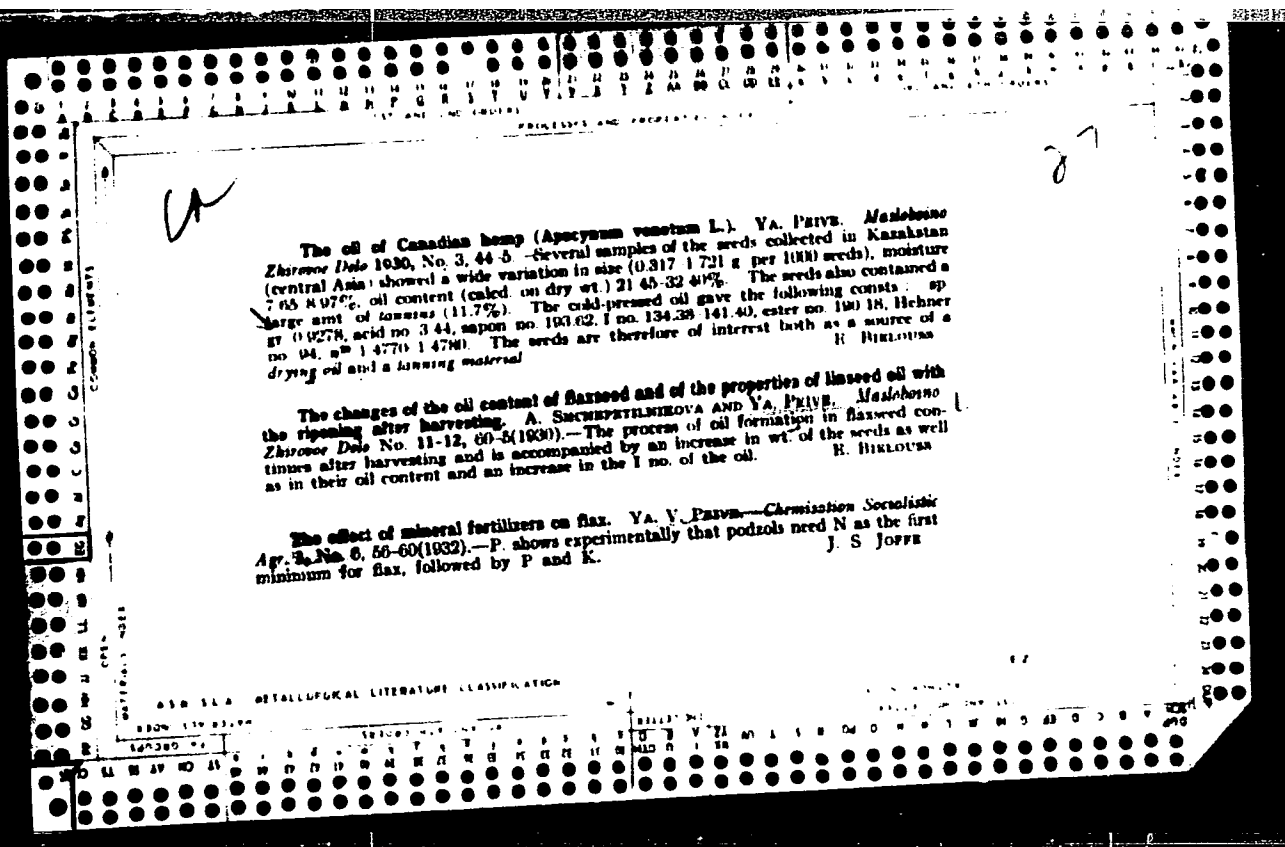
PEYVE, ENGS. V. V.; FREYDIN, I. M.;

USSR (600)

Photometry

Spacial photometric graphs of conditioned horizontal lighting. Prom. energ.
9 no. 0, 1952.

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The methods of determining potassium in soils for agro-chemical purposes. Ya. V. Priver. *Khimicheskaya Solsoledist. Zemledeleviya* (Moscow) 1933, No. 6, 71-83.
A modification of the $\text{K}_2\text{NaCo}(\text{NO}_3)_6$ method is presented. The K is extd. from a 1:2 mol NaCl mixt., and absorbed NH_4 in the soil does not interfere with the detn.

I. S. Ioffe

COMMON ELEMENTS
NATURAL MOISTURE
METALLURGICAL LITERATURE CLASSIFICATION

15

Common Elements

Processes and Properties Index

The methods of determining the mobility of aluminum in the soils of the flax region Va. V. Polyak. *Chemization Natsionaln. Agr. (U. S. R. S.)* 1956, No. 12, 95-102 (in English 101) Sol Al extd. from peated soils with N KCl was detd. by the hydroxyquinoline method with the aluminum reagent and by NH_4OH pptn. in the presence of NH_4Cl . Of these methods the hydroxyquinoline gave low results. By properly adjusting the pH of the NH_4OH - NH_4Cl mixt. a perfect pptn. of Al was accomplished.

I. S. Joffe

AND S. A. METALLURGICAL LITERATURE CLASSIFICATION

83000 110 01000
83100 110 01000

83100 110 01000

83100 110 01000

The use of boron fertilizers in flax agriculture. V. A. Pavlov. *Lenin Komsomol*, U.S.S.R., 1938, No. 4, 1938, 1938. *Khim. Kretel' Zhur.* 1, No. 11, 12, 1938. A highly positive effect of B on the yield of straw, seeds and fibers of flax and on its quality was demonstrated. The action of B is mostly noticeable on virgin and on limed soils, and is expressed in a lowering of bacterial diseases of flax. An addition of 3 kg. of B/hectare increased the yield, as compared with the yield obtained from N-P-K fertilizers, of straw from 20.5-31.6 to 32.5-35.2 quintals/hectare, of seeds from 14.5-3 to 7.5-7.6, and of fibers from 2.5-5.1 to 13-16.6. It was demonstrated that instead of borax of the B-Mg fertilizers a ground boron hydroborate can be used successfully. When added in equal amounts with borax, in its B content its effect even surpasses that of borax. For flax best results are obtained from the addition of 3-6 kg./hectare of borax (40-60% B_2O_3) of 5-6 kg./hectare of hydroborate (20% B_2O_3). The equal effectiveness of hydroborate with borax must be verified with additional expts. Not less than 10-20% of all cultivated flax fields need B fertilizers for which P. considers 1200-2400 tons of the 20% hydroborate is necessary. W. R. Henn

PEYVE, Ya. V.

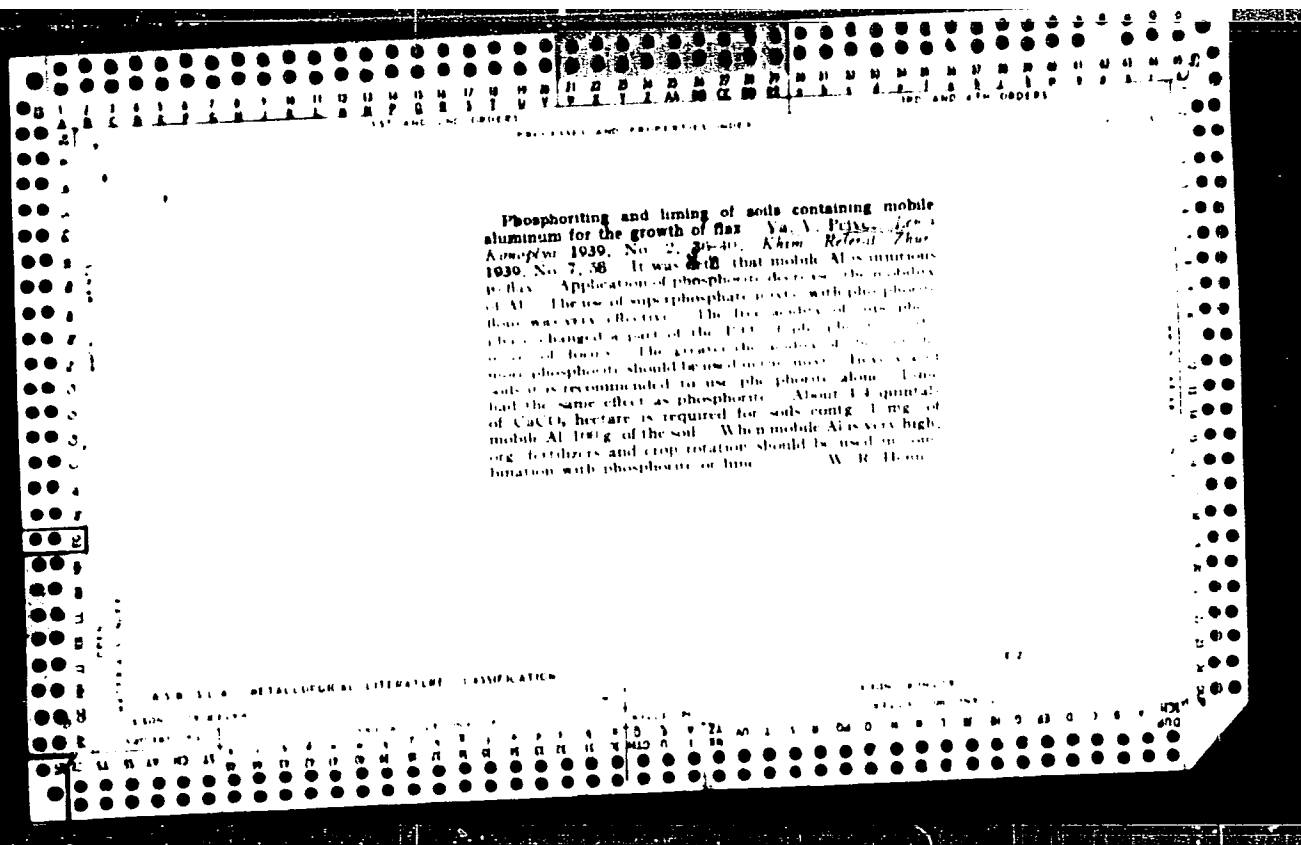
"Problems of Barium Fertilizers in Flax Culture," Dokl. Ak. sel'sko-khoz.
nauk im. Lenina, No.10, 1938

61

100

The effect of fertilizers added to newly cultivated soils on the growth of flax. Ya. V. Pelyu and A. S. Rodov. *Voprasy Oshchivleniya i Vozrozhdeniya Zemli*. Moscow: Akad. Sel'sk. Nauk im. Lenina 1959, 88 pp. K. fertilizers were highly effective on all virgin soils. N-H fertilizers, particularly in combination with K fertilizers, had an unfavorable effect on flax grown on very acid soils, a favorable effect on medium and weakly podzolized virgin soils. Phosphoric in combination with sylvite increased on virgin soils the total yield of flax by 12.24 quintals ha and superphosphate increased it by 4.0 quintals ha. Phosphoric is the best P fertilizer for ploughed virgin soils. On dark newly cultivated soils it increases the yields of flax straw, seeds and fiber. The K fertilizers investigated were: borax, B-Mg fertilizers and hydroborate. W. R. Henn

The comparative effects of vivianite, superphosphate and phosphorite on flax in different soils. Ya. V. Pelve and phosphorite on flax in different soils. Ya. V. Pelve *Len i Konochni* 1939, No. 1, 32-4. *Khim. Referat* 1940, No. 6, 64, cf. C. 3, 34, 2084. Vivianite, when not enriched with N and K, did not affect the yield of flax fibers. When enriched with N and K both vivianite and phosphorite were effective. In an acid podzol soil phosphorite was more effective than superphosphate and vivianite, while in a slightly podzol soil vivianite was more effective than either the superphosphate or the phosphate flour. In slightly podzol clayey soils introduction of lime and of nitrate N was not necessary to increase the effectiveness of vivianite. Vivianite and the other forms of phosphate showed a favorable influence on flax with a nephelite base. In its afteraction vivianite was equal to superphosphate and phosphorite. All forms of phosphate more than doubled the crops of clover seeds. Nephelite fertilizers were effective even in the absence of P. The nephelite tailings evidently contain P. W. R. Henn.



liming of soils in flax culture. A. A. Poles, *Trav. Acad. Sci. USSR, Div. Agr. Sci., Ser. Soil Sci.*, 1960, No. 5, 62, (1960, No. 3, 42). *Abstr. Referat Zhur 1960*, No. 5, 62, (1960, No. 3, 42).

35. 6378*—Phosphoric flour with superphosphate can be used instead of lime. The main cause of the harmful effect of large amounts of lime is the disturbance of the bud caput in the soil, fixation of CO_2 and Ca^{++} in the soil, and the formation of a crust that is found on the flax plants. The results of the fixation of antagonistic groups of bacteria, which cause flax diseases (bacteriosis). The results of numerous investigations of the effect of lime on flax in crop rotations did not support the supposition that liming for 4, 5 and 6 years has no harmful effect on flax. In most cases an unfavorable effect on flax is observed with lime in amounts of 0.25-0.5 of the hydrolytic acidity.

W. R. H. C.

1ST AND 2ND ORDERS										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH ORDERS									
1336. UPPER BOG-PEAT AND ITS ASH AS SUBSTITUTES FOR BORON FERTILISERS FOR FLAX. <u>PRIDE</u> , J. W. (Proc. Lenin Acad. Agri. Sci. U.S.S.R. 1942, <u>3-4</u> , 26-29).																													
ASB SLA DETALLURGICAL LITERATURE CLASSIFICATION										BASIC SYMBOLS										RELATIONS									
BORON SYMBOLS										RELATIONS										RELATIONS									

PEYVE, Ya.V.
ICA

Soil conditions and fertilizers in relation to culture of lupine Ya V Peve *Pedology USSR* 1946, 275
9. Perennial lupines thrive best on podzol soils. On humus-carbonate soils having a neutral or slightly alk reaction lupines do not do well. Addn. of P to the soil encouraged the growth of lupine. Addn. of lime increased the yield of lupine.
I. S. Lofe

Latvian Agric. Acad., Riga

ASS. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

ALPHABETIC INDEX																									
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
PEYVE, A. V. ca Phosphatic limestone of the lower Eocene of the East Turgana (Middle Asia). A. V. Peyve. <i>Bull. soc. naturalistes Moscou</i>, Sect. geol. 11, 385-404 in English 404 (1933).--The most probable explanation of the origin of the phosphates is that they are due to bacterial activity in sea water contg. a low concn. of P_2O_5. No evidence was found to substantiate the theory that the accumulation of P_2O_5 is due to the dying out of marine organisms. Michael Bletscher 8 ASD 55.4 METALLURGICAL LITERATURE CLASSIFICATION																									

PEIVE A. V.

1945

USSR/Geology
Rock formation

May 1945

"Abyssal Fractures in Geosynclinal Areas," A. V.
Peive, 22 pp

"Izv Ak Nauk SSSR Geol" No 5

Description of characteristic examples on the
eastern slope of the North Urals and of Tien-shan.
(By "abyssal fracture" the author means tectonic
lines in geosynclinal areas characterized by a
long duration of geological development and a
great depth of origin.)

1945

PEYVE, A.Y.; SHTREYS, N.A., red.

[Tectonics of the bauxite belt in the northern Ural Mountains]
Tektonika Severoural'skogo boksitovogo poiasa. Moskva, Izd-vo
Mosk. ob-va ispytatelei prirody, 1947. 207 p. (Materialy k
poznaniu geologicheskogo stroenia SSSR, no.4). (MIRA 11:4)
(Ural Mountains--Geology. Structural)
(Bauxite)

PEIVE, A. V.

PA 171

USSR/Geology

Mineral Deposits - Bauxite

1947

"On Marine Paleozoic Bauxites of the Urals," A V
Peive and N A Streiss, 11 pp

"Izv Akad Nauk USSR Ser Geol" No 2

Bauxite of the Krasnaya-shapochka type and general
locations in the Urals

PEYVE, ALEKSANDR VOL'DEMAROVICH

Dir., Inst. Geological Sci., Dept. Geog. Sci., Acad. Sci., -1943-44-.
"Stratigraphy and Age of Early Formation of Central Kazakhstan and Northern
T'ien Shan," Iz. Ak. Nauk SSSR, Ser. Geol., No. 3, 1948;
"Some Basic Problems of Geosynclines," ibid., No. 4, 1950.
aluminum.

USSR/Geology - Geosynclines

Jul/Aug 50

"Some Basic Problems of Geosynclines," A. V. Peyve,
V. M. Sintitsyn

"Iz Ak Nauk SSSR, Ser Geol" No 4, pp 28-52

From long personal investigations in Central Asia, Kazakhstan, Urals and Caucasus, authors develop new ideas on origin, development, and structure of geosynclines and platforms. Before Upper-Proterozoic era there developed a single metamorphic continental shell, "pauplatform," common for future geosynclines and platforms. At beginning of era, after sharp change in evolution of all geological processes,

162743

USSR/Geology - Geosynclines

Jul/Aug 50

Geosynclinal stage of development of earth's structure begun. Consisted of several qualitatively different stages. Discusses general characteristics of stages of development of geosynclinal regions.

162743

PEYVE, A. V.

PEYVE, A.V.

BELYANKIN, B.S., akademik, redaktor; VLASOV, K.A., redaktor; AFANAS'YEV, G.D., redaktor; PEYVE, A.V., redaktor; PUSTOVALOV, L.V., redaktor; STRAKHOV, N.M., redaktor; YABLOKOV, V.S., redaktor

[Resolution of a conference on sedimentary rocks] Reshenie soveshchaniia po osadochnym porodam. Moskva, Izd-vo Akademii nauk SSSR, 1953. 31 p. [Microfilm] (MLRA 7:10)

1. Chlen-korrespondent AN SSSR (for Strakhov)
2. Akademiya nauk SSSR. Otdeleniye geologo-geograficheskikh nauk. (Rocks, Sedimentary)

PEYGE, A. V.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Peyge, A. V.	"Tectonic Map of the USSR" (scale 1:4 million)	Moscow State University M. V. Lomonosov

SO: W-30604, 7 July 1954

SUVOROV, A.I., SHATSKIY, N.S., akademik, glavny redaktor; PEYVE,
A.V. otvetstvennyy redaktor; LADYCHUK, L.P., redaktor;
POLYAKOVA, T.V., tekhnicheskiy redaktor.

Tectonic division of the Fergana Basin into districts on the
basis of genetic characteristics. Trudy Inst. geol.nauk no.
158:3-91 '54. (MIRA 8:2)
(Fergana—Geology, Structural)

PEYVE, A.V.

SECHERBAKOV, D.I., akademik, redaktor; AFANAS'YEV, G.D., redaktor;
VLASOV, K.A., redaktor; PEYVE, A.V., redaktor; PUSTOVALOV, L.V.,
redaktor; YANLOKOV, V.S., redaktor; NOSOV, G.I., redaktor.

[Conference on sedimentary rocks] Soveshchanie po osadochnym
porodam. Moskva, Izd-vo Akademii nauk SSSR. No.2 [Proceedings]
Doklady. 1955. 262 p. [Microfilm] (MIRA 8:7)

1. Chlen-korrespondent AN SSSR (for Afanas'yev). 2. Akademiya
nauk SSSR. Otdeleniye geologo-geograficheskikh nauk.
(Rocks, Sedimentary)(Bibliography - Rocks, Sedimentary)

MEKHTIYEV, Sh.F., professor; PEYVE, A.V.; KHAIN, V.Ye., professor

Conference on the tectonics of the alpine geosynclinal region of the
southern U.S.S.R. Izv.AN SSSR. Ser. geol. 20 no.3:156-160 My-Je '55.
(MIRA 8:9)

1. Institut geologii Akademii nauk AzSSR (for Mekhtiyev)
(Caucasus--Geology, Structural)

PEYVE, A.V.; KHERASKOV, N.P.; SHTREYS, N.A.; YANSHIN, A.L.

Nikolai Sergeevich Shatskii; on the occasion of his 60th birthday.
Izv. AN SSSR. Ser. geol. 20 no. 5:3-13 S-0'55. (MLRA 8:12)
(Shatskii, Nikolai Sergeevich, 1895-)

PEYVE, A. V., STRAKHOV, M. M., BOGDANOV, A. A.

"Work on the Ural and Intra-Ural"

Byulleten' Moskovskogo Obshchestva Izpytateley
Prirody, Otdel Geologicheskii, Vol. LXXI, No. 5,
Sep-Oct 1955, p. 125-132.

U-3,653,265, Jan 13, 1967

Peyve, A.V.

USSR/ Geology

Card 1/1 Pub. 46 - 6/11

Authors : Peyve, A. V.

Title : General characteristic, classification and spatial orientation of plutonic fractures. Part 1

Periodical : Izv. AN SSSR. Ser. geol. 1, 90 - 105, Jan 1956

Abstract : A geological explanation is given of plutonic fractures and their basic three types of platformic, geosynclinal, marginal deflections are described. The laws governing the spatial orientation of plutonic fractures in various geosynclinal regions are discussed. Seventeen USSR references (1945-1954).

Institution : Acad. of Sc., USSR, Inst. of Geol. Sc., Moscow

Submitted : September 17, 1955

KORENEVA, Yelena Vasil'evna, b. 1908, Minskaya obl., Zhukovskiy raion,
A.V., Davydovskiy sel'skiy sovetskii raion; zhenskiy uchastok
TIMOFEEV, P.P., red.

[Spores and pollen from the bottom sediments of the western part of the Pacific Ocean.] Study published in "Izvestiya otkrytiy zapadnoy i vostochnoy khaznykh," No. 10, 1964, p. 178. [English transl. in "Zhurnal Prikladnogo Ispytaniya Trudov," No. 1, 1965, p. 114.]

1. Online-korrektur der AM 333. 1. 10. 1996.

VAKHRAMEYEV, V.A., PUYVE, A.V., glavnyy red.; KUZNETSOVA, E.I., red.;
MENNER, V.V., red.; TIMOFEEV, E.I., red.

[Jurassic and Early Cretaceous Floras of Eurasia and the
paleofloristic provinces of this period]. Iurskie i
rannemelovye flory Evrazii i paleofloristicheskie provintsi
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(Akademiia nauk SSSR, Geologicheskii institut. "Trudy...")
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1. Chlen-korrespondent AN SSSR (for Puyve).

BURTMAN, Valentin Semenovich; PEYVE, A.V., ed.; MARKOV, M.S., ed.
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[Talas-Fergana fault (TienShan)]. Talas-Ferganskii sdyv
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1. Chlen-korrespondent AN SSSR (1981).

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Relation of sedimentation, folding, magmatism, and mineral deposits to
deep faults; principal types of deep faults (second article). Izv.AN
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1.Geologicheskii institut AN SSSR, Moskva.
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PEYVE, A.V.

Principle of primigenity in tectonics. Izv. AN SSSR. Ser.geol. 21
no. 631-19 Jz '56. (MIRA 9:10)

1. Geologicheskii institut Akademii nauk SSSR, Moskva.
(Geology, Structural)

PEYVE, A.V.

SHATSKIY, N.S.; BOGDANOV, A.A.; BELYAYEVSKIY, N.A.; VERESHCHAGIN, V.I.;
ZAYTSEV, N.S.; KOSYGIN, Yu.A.; KROPOTKIN, P.N.; MURATOV, M.V.
NAGIBINA, M.S.; OGNEV, V.N.; PAVLOVSKIY, Ye.V.; ~~PEYVE, A.V.~~
PUSHCHAROVSKIY, Yu.M.; SALOP, L.I.; SOBOLEVSKAYA, V.N.;
KHARITONOV, L.Ya.; KHERASKOV, N.P.; SHEYNMAN, Yu.M.; SHTREYS, N.A.;
YANSHIN, A.L.; VERSTAK, G.V. redaktor izdatel'stva; GUROVA, O.A.
tekhnicheskii redaktor

[Tectonic map of the U.S.S.R. and adjacent countries on a scale of
1:5,000,000; explanatory notes] Tektonicheskaya karta SSSR i
sopredel'nykh stran v mashtabe 1:5,000,000; ob"iasnitel'naya
zapiska. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i
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(Russia--Geology--Maps)

SHATSKIY, N.S.; KORZHINSKIY, D.C.; YANSHIN, A.L.; PEYVE, A.V.; SHTREYS,
N.A.; YABLOKOV, V.S.; TIKHOMIROV, V.V.

N.V.Frolova (1907-1960); obituary. Izv. AN SSSR. Ser. geol.
25 no.9:135 S '60. (MIRA 13:9)
(Frolova, Natal'ia Vasil' evna, 1907-1960)

PEYVE, A.V., . otv.red.; BELOUSOV, V.V., red.; FREDYNSKIY, V.V., red.;
KHAIN, V.Ye., red.; SHATSKIY, N.S., red.; SHTEYTS, N.A.,
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[Structure of the earth's crust and the deformation of rocks]
Struktura zemnoi kory i deformatsii gornyykh porod. Moskva,
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Problema 18). (MIRA 13:10)

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STREYS, N.A.; NAGIBINA, M.S.; KROPOTKIN, P.N.; MARKOVA, N.G.; SOBOLEVSKAYA,
V.N.; PEYVE, A.V.; PAVLOVSKIY, Ye.V.

Andrei Khrisanfovich Ivanov, 1897-1961. Izv.AN SSSR.Ser.geol.
27 no.3:114 Mr '61. (MIRA 15:2)
(Ivanov, Andrei Khrisanfovich, 1897-1961)

PEYVE, A.V.

Tectonics and igneous activity. Izv.AN SSSR.Ser.geol. no.3:36-54
Mr '61. (MIRA 15:2)

1. Geologicheskii institut AN SSSR, Moskva.
(Geology, Structural)

AFANAS'YEV, G.D.; BARANOV, G.P.; VLASOV, K.A.; KORZHINSKIY, D.S.;
MIRGHINE, M.F.; NALIVKIN, D.V.; PAVLOVSKIY, Ye.V.; PEYVE, A.V.;
SMIRNOV, V.I.; STRAKHOV, N.M.; CHUKHROV, F.V.; SHCHERBAKOV, D.I.;
YABLOKOV, V.S.

Oleg Dmitrievich Levitskii; obituary. Izv.AN SSSR.Ser.geol. 26
no.6:110-111 Je '61. (MIRA 14:6)
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